

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--|------------------|---------|------------------|
| L1    | 4    | ((("5214549") or ("5520052"))).PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | OFF     | 2005/04/15 09:47 |
| L2    | 80   | ("5214549").URPN.   | USPAT  | OR               | OFF     | 2005/04/15 09:48 |
| L3    | 15   | ("20020141108"   "4553183"   "5214549"  <br>"5235482"   "5282100"   "5483397"  <br>"5587588"   "5725931"   "5757580"  <br>"5761184"   "5777821"   "5781373"  <br>"5982580"   "6366426"   "6674608").PN. | US-PGPUB;<br>USPAT;<br>USOCR                             | OR               | OFF     | 2005/04/15 09:49 |
| L4    | 32   | 360/97.01.ccls. and (resonant adj frequency)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2005/04/15 09:54 |
| L5    | 76   | (resonant frequency) and (loss adj factor) and<br>((disk or disc) adj drive)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2005/04/15 10:34 |
| L6    | 50   | (resonant frequency) and (loss adj factor) and<br>((disk or disc) adj drive) and thick\$  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2005/04/15 10:35 |
| L7    | 1098 | ("method" and ((vibration or noise) adj<br>(reduction or suppression))) and ((disk or disc)<br>adj drive)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2005/04/15 10:51 |
| L8    | 144  | 7 and "360"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2005/04/15 10:51 |
| S1    | 32   | 360/97.01.ccls. and (resonant adj frequency)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2005/04/15 09:54 |
| S2    | 2    | "6747840".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2004/09/02 10:09 |
| S3    | 0    | "6747840".URPN.   | USPAT  | OR               | ON      | 2004/09/02 10:09 |

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|-----|------|---|--|----|----|------------------|
| S4  | 20   | ("5214549"   "5235482"   "5282100"  <br>"5598306"   "5757580"   "5781373"  <br>"5877915"   "5886489"   "5898572"  <br>"6075672"   "6081406"   "6157116"  <br>"6178060"   "6204621"   "6229668"  <br>"6288866"   "6411463"   "6445534"  <br>"6529345"   "6536555").PN.   | USPAT  | OR | ON | 2004/09/02 10:09 |
| S5  | 536  | "29"/\$.ccls. and (resonant adj frequency)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 13:11 |
| S6  | 3    | ("29"/\$.ccls. and (resonant adj frequency)) and<br>(loss adj factor)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 10:50 |
| S7  | 69   | (resonant frequency) and (loss adj factor) and<br>((disk or disc) adj drive)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/04/15 09:54 |
| S8  | 4    | ("2179531"   "3045908"   "3341117"  <br>"4346288").PN.  | USPAT  | OR | ON | 2004/09/02 11:11 |
| S9  | 33   | (resonant adj frequency) and (loss adj factor)<br>and ((disk or disc) adj drive)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 14:23 |
| S10 | 5445 | (acoustic\$) and ((disk or disc) adj drive)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 13:23 |
| S11 | 348  | ((acoustic\$) and ((disk or disc) adj drive)) and<br>(resonan\$ adj frequency)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 12:53 |
| S12 | 15   | ((((acoustic\$) and ((disk or disc) adj drive)) and<br>(resonan\$ adj frequency)) and (loss adj factor)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 12:53 |
| S13 | 25   | ("3658635"   "4491888"   "5214549"  <br>"5282100"   "5282101"   "5474840"  <br>"5483397"   "5483398"   "5587855"  <br>"5666239"   "5670006"   "5677813"  <br>"5725931"   "5761184"   "5781373"  <br>"5825585"   "5851327"   "5858509"  <br>"5875067"   "5939179"   "5982580"  <br>"6005750"   "6075672"   "6081406"  <br>"6256165").PN. | USPAT  | OR | ON | 2004/09/02 12:55 |

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| S14 | 17   | 29/603.03.ccls. and (resonant adj frequency)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 13:13 |
| S15 | 15   | ((acoustic\$) and (resonan\$ adj frequency) and (loss adj factor)) and ((disk or disc) adj drive)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 14:00 |
| S16 | 2    | "5258972".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 13:52 |
| S17 | 2    | "4223073".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 13:53 |
| S18 | 35   | (((acoustic\$) or damp\$ or (noise adj suppression)) and (resonan\$ adj frequency) and (loss adj factor)) and ((disk or disc) adj drive)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 14:55 |
| S19 | 4876 | (damp\$) and ((disk or disc) adj drive)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 14:23 |
| S20 | 292  | ((damp\$) and ((disk or disc) adj drive)) and (viscoelastic)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 14:24 |
| S21 | 80   | (((damp\$) and ((disk or disc) adj drive)) and (viscoelastic)) and (resonan\$ adj frequency)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 14:24 |
| S22 | 18   | ("4602175"   "4760478"   "5148071"   "5149048"   "5187625"   "5432663"   "5606477"   "5666242"   "5675456"   "5761184"   "5790348"   "5914836"   "5930071"   "5999374"   "6061206"   "6175469"   "6252746"   "6271996").PN.             | USPAT  | OR | ON | 2004/09/02 14:29 |
| S23 | 19   | ("3054284"   "3322474"   "3568962"   "3693402"   "3756672"   "3866480"   "4011397"   "4105265"   "4150588"   "4326158"   "4489991"   "4872767"   "4922869"   "5056487"   "5185543"   "5303681"   "5401009"   "5553514"   "5864273").PN. | USPAT  | OR | ON | 2004/09/02 14:50 |

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|-----|-------|---|--|----|----|------------------|
| S24 | 0     | ((noise adj suppression) or (noise adj reduction)) and (resonan\$ adj frequency) and (loss adj factor)) and ((disk or disc) adj drive)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 14:57 |
| S25 | 1027  | ((noise adj suppression) or (noise adj reduction)) and ((disk or disc) adj drive)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 14:57 |
| S26 | 61    | (resonan\$ adj frequency) and (((noise adj suppression) or (noise adj reduction)) and ((disk or disc) adj drive))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 14:58 |
| S27 | 77    | "5214549".URPN.   | USPAT  | OR | ON | 2004/09/02 15:16 |
| S28 | 20    | ("5214549"   "5235482"   "5408372"  <br>"5422767"   "5510954"   "5517375"  <br>"5587855"   "5666239"   "5757580"  <br>"5770133"   "5781373"   "5801905"  <br>"5858509"   "5886851"   "5898537"  <br>"5982580"   "6002546"   "6172842"  <br>"6209842"   "6229668").PN. | USPAT  | OR | ON | 2004/09/02 15:21 |
| S29 | 11    | 360/98.01.ccls. and (resonant adj frequency)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 16:38 |
| S30 | 11    | 123/192.1.ccls. and (resonant adj frequency)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 16:39 |
| S31 | 14    | 384/99.ccls. and (resonant adj frequency)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 16:39 |
| S32 | 65    | 188/378.ccls. and (resonant adj frequency)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 16:41 |
| S33 | 2     | "6090147".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 16:42 |
| S34 | 2     | ("5163015"   "5361636").PN.   | USPAT  | OR | ON | 2004/09/02 16:41 |
| S35 | 4     | "6090147".URPN.   | USPAT  | OR | ON | 2004/09/02 16:41 |
| S36 | 17505 | "method" and ((vibration or noise) adj (reduction or suppression))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 16:43 |

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| S37 | 941  | ("method" and ((vibration or noise) adj (reduction or suppression))) and ((disk or disc) adj drive)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/04/15 10:50 |
| S38 | 36   | ((("method" and ((vibration or noise) adj (reduction or suppression))) and ((disk or disc) adj drive)) and (resonant adj frequency)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 16:44 |
| S39 | 6    | 703/1.ccls. and (resonant adj frequency)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/03 10:20 |
| S40 | 5    | ("3015949"   "3654804"   "3718813"   "3751994"   "3973112").PN.   | USPAT  | OR | ON | 2004/09/03 10:18 |
| S41 | 20   | "4061017".URPN.   | USPAT  | OR | ON | 2004/09/03 10:19 |
| S42 | 2    | "703"/\$.ccls. and ((resonant adj frequency) and (loss adj factor))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/03 10:45 |
| S43 | 39   | "73"/\$.ccls. and ((resonant adj frequency) and (loss adj factor))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/03 10:46 |
| S44 | 3067 | (resonant frequency) and (loss adj factor)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/03 11:00 |
| S45 | 38   | "360"/\$.ccls. and ((resonant frequency) and (loss adj factor))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/03 11:32 |
| S46 | 2    | "6536555".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/03 11:44 |
| S47 | 11   | ("5282100"   "5483397"   "5666239"   "5691037"   "5757580"   "5761184"   "5777821"   "5781373"   "5982580"   "6005768"   "6285525").PN.   | USPAT  | OR | ON | 2004/09/03 11:32 |
| S48 | 1    | "6536555".URPN.   | USPAT  | OR | ON | 2004/09/03 11:39 |
| S49 | 20   | ("5214549"   "5235482"   "5282100"   "5598306"   "5757580"   "5781373"   "5877915"   "5886489"   "5898572"   "6075672"   "6081406"   "6157116"   "6178060"   "6204621"   "6229668"   "6288866"   "6411463"   "6445534"   "6529345"   "6536555").PN. | USPAT  | OR | ON | 2004/09/03 11:40 |

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| S50 | 7   | ("5282100"   "5781373"   "5877915"   "6088190"   "6177173"   "6229668"   "6256165").PN.   | USPAT  | OR | ON | 2004/09/03 11:43 |
| S51 | 2   | "5781373".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/03 11:57 |
| S52 | 9   | ("4979062"   "5131619"   "5214549"   "5282100"   "5376850"   "5461268"   "5477401"   "5483398"   "5587855").PN.   | USPAT  | OR | ON | 2004/09/03 11:44 |
| S53 | 362 | 181/207.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/03 11:57 |
| S54 | 3   | (resonant frequency) and (loss adj factor) and ((disk or disc) adj drive) and 181/207.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/03 11:58 |
| S55 | 0   | (acoustic adj damper) and (loss adj factor) and ((disk or disc) adj drive) and 181/207.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/03 11:58 |
| S56 | 1   | (acoustic adj damper) and ((disk or disc) adj drive) and 181/207.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/03 11:59 |
| S57 | 8   | (acoustic adj damper) and ((disk or disc) adj drive)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/03 12:23 |
| S58 | 19  | ("4367503"   "4791508"   "4814925"   "4870703"   "4974103"   "5282100"   "5376850"   "5422766"   "5454157"   "5461268"   "5483398"   "5761184"   "5781373"   "6175469"   "6256165"   "6473263"   "6498700"   "6603633"   "6608732").PN. | USPAT  | OR | ON | 2004/09/03 12:00 |
| S59 | 2   | "6529345".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/03 12:23 |
| S60 | 3   | "6529345".URPN.   | USPAT  | OR | ON | 2004/09/03 12:23 |
| S61 | 12  | ("5004207"   "5214549"   "5483397"   "5537270"   "5596461"   "5790344"   "5898537"   "6011670"   "6236532"   "6351344"   "6501614"   "6529345").PN.   | USPAT  | OR | ON | 2004/09/03 12:24 |
| S62 | 0   | "6757131".URPN.   | USPAT  | OR | ON | 2004/09/03 12:25 |

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--|------------------|---------|------------------|
| L1    | 4    | ((("5214549") or ("5520052"))).PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | OFF     | 2005/04/15 09:47 |
| L2    | 80   | ("5214549").URPN.   | USPAT  | OR               | OFF     | 2005/04/15 09:48 |
| L3    | 15   | ("20020141108"   "4553183"   "5214549"  <br>"5235482"   "5282100"   "5483397"  <br>"5587588"   "5725931"   "5757580"  <br>"5761184"   "5777821"   "5781373"  <br>"5982580"   "6366426"   "6674608").PN. | US-PGPUB;<br>USPAT;<br>USOCR                             | OR               | OFF     | 2005/04/15 09:49 |
| L4    | 32   | 360/97.01.ccls. and (resonant adj frequency)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2005/04/15 09:54 |
| L5    | 76   | (resonant frequency) and (loss adj factor) and<br>((disk or disc) adj drive)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2005/04/15 10:34 |
| L6    | 50   | (resonant frequency) and (loss adj factor) and<br>((disk or disc) adj drive) and thick\$  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2005/04/15 10:35 |
| L7    | 1098 | ("method" and ((vibration or noise) adj<br>(reduction or suppression))) and ((disk or disc)<br>adj drive)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2005/04/15 10:53 |
| L8    | 144  | 7 and "360"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2005/04/15 10:51 |
| L9    | 92   | Daniel.in. and Seagate.as.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2005/04/15 10:54 |